

# **Petroleum Project Economics & Financial Modelling Course**

Oil & Gas Engineering  
Rome (Italy)  
08 - 12 Sep 2025

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## **Petroleum Project Economics & Financial Modelling Course**

**Ref:** 321529\_126890 **Date:** 08 - 12 Sep 2025 **Location:** Rome (Italy) **Fees:** 4200 **Euro**

### **Course Description**

This comprehensive 5-day course equips participants with advanced skills in petroleum project economics and financial modeling. Attendees will learn to construct robust financial models, evaluate project viability, and assess risks in the oil and gas industry. The course combines theoretical concepts with practical applications, enabling participants to make informed investment decisions.

### **Learning Objectives**

- Develop proficiency in building comprehensive financial models for oil and gas projects
- Master techniques for cash flow analysis, project ranking, and economic indicator calculations
- Understand risk assessment methodologies and sensitivity analysis in petroleum economics
- Learn to evaluate and compare different fiscal regimes in the oil and gas sector
- Gain skills in decision-making under uncertainty using probabilistic analysis

### **Course Modules**

#### **Day 1: Fundamentals of Petroleum Economics**

- Introduction to petroleum economics and financial modeling
- Key economic indicators in oil and gas projects
- Time value of money and discounted cash flow analysis
- Overview of fiscal regimes in the petroleum industry

#### **Day 2: Building Financial Models**

- Structuring financial models for oil and gas projects
- Revenue forecasting and production profiles
- Cost estimation: CAPEX, OPEX, and abandonment costs
- Depreciation methods and tax calculations

#### **Day 3: Economic Analysis and Project Evaluation**

- Net Present Value NPV and Internal Rate of Return IRR calculations
- Payback period and profitability index
- Project ranking and screening techniques
- Incremental analysis and optimization

#### **Day 4: Risk Analysis and Decision Making**

A graphic of a chessboard with several chess pieces (a king, a queen, a rook, and a pawn) in gold and silver. The text 'UK Training PARTNER' is overlaid on the board.

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- Identifying and quantifying project risks
- Sensitivity analysis and tornado diagrams
- Monte Carlo simulation for probabilistic analysis
- Decision tree analysis for sequential investment decisions

### **Day 5: Advanced Topics and Case Studies**

- Evaluation of different fiscal regimes
- Portfolio analysis and optimization
- Real options analysis in petroleum projects
- Integrated case study: Full-cycle economic evaluation

### **Practical Wins for Participants**

- Ability to construct comprehensive financial models for oil and gas projects
- Improved decision-making skills for investment analysis in the petroleum sector
- Enhanced risk assessment and management capabilities for energy projects
- Proficiency in using advanced analytical tools for project evaluation and optimization

A graphic of a chessboard with several chess pieces (a king, a queen, and a pawn) positioned on it. The board is checkered, and the pieces are in gold and silver. In the background, there are concentric circles radiating from the center of the board.

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